

Work Order ID 116365

April-14-14 10:18:07 AM

116365

Page 1

Item ID: D412-742-011

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

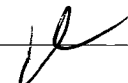
Start Date: 4/14/14 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 4/14/14 Req'd Qty: 1.00 *1*

Customer:

Reference: USED FOR PHOTO SHOOT - RESTOCK

Approvals: Process Plan:  Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
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IIN-D412-742	E
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100

Document Control

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile and create labels per PPP D412-742-011 CHG007 ✓

MLJ 14-04-15

Work Order ID 116365

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116365

Page 2

Item ID: D412-742-011 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri
 Start Date: 4/14/14 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 4/14/14 Req'd Qty: 1.00 ***1*** Customer:
 Reference: USED FOR PHOTO SHOOT - RESTOCK

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

110	Pick Kit	0.00							
-----	----------	------	--	--	--	--	--	--	--

110

Packaging

Memo

0.00

Packaging

PULL FROM PHOTO SHOOT:
1 X D412-742-011 B112116

VERIFY KIT PER ATTACHED IIN
RECORD ANY PARTS THAT NEED TO BE ADDED TO KIT IF
APPLICABLE:

FIX SCRATCHES & DEFECTS WITH TOUCH-UP PAINT AS REQUIRED

[Signature] APRIL 28 2014

120	QC4- 100% Inspect kits for completeness	0.00							
-----	---	------	--	--	--	--	--	--	--

120

QC

Memo

0.00

Quality Control

RE-INSPECT KIT

DAS
06
9-89

JUN 23 2014

Work Order ID 116365

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Page 3

April-14-14 10:18:07 AM

Item ID: D412-742-011 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri
 Start Date: 4/14/14 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 4/14/14 Req'd Qty: 1.00 ***1*** Customer:
 Reference: USED FOR PHOTO SHOOT - RESTOCK

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	REPACKAGE PER PPP USING NEW B/N NEW LABELS REQ'D Identify and pack for shipping as per PPP D412-742-011 Location: <u>GPB</u> DAS 06 9-89								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

MISSING
2571
B117820

JUN 23 2014

4-06-23

Picklist Print

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Page 1

Work Order ID: 116365

116365

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 4/14/14

Required Date: 4/14/14

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev: A05.10.13New IssueKJ/JLM
 IPP Rev:B 06-06-08 As per DSI9336 JLM
 IPP Rev:C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC
 IPP rev E 07.11.27 ecn 1072 EC verified by:DD
 IPP Rev:F 08-09-08 ecn 08-510 DD verified by:EC
 IPP Rev:G 09-01-23 as per DSI9441 DD verified by:EC IPP Rev:H
 11.11.01 as per DSI9517 REV.B DD verified by:EC IPP rev:I 12.01.12
 PER IIN REV.E DD VERF:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D412-742-011

Manufactured

No

Each

10.0000

1

D412-742-011

Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Location

Loc Qty

Loc Code

FG

2

87615

1

91946

1

FG073

8

105860

1

105905

1

107782

1

112117

1

113896

1

87614

1

95143

1

95144

1

112116

u
u/04/14

Work Order ID 112116

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112116

Page 1

Item ID: D412-742-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Stop

NS2

Start Date: 1/29/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 2/12/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 14-01-29 Tooling:

Date:

Run Start

NR1

QC:

Date: SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
IIN-D412-742	E

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-011 CHG007

DAS
31
9-89

14-02-04

MLJ 14-02-20

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

DAS
33
9-89

14-01-31

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
6
9-89

14-2-26

Q

Work Order ID 112116

112116

Page 2

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Item ID: D412-742-011

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 2/12/14 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00						DAS	
130	Packaging							6	
Packaging	Memo	0.00						9-89	DAS
Packaging	Identify and pack for shipping as per PPP D412-742-011								28
	Location: <u>OB</u>								9-89
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

17-2-25

PL 14-02-27

JA 14-02-27

Picklist Print

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Work Order ID: 112116

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev: A05.10.13New IssueKJ/JLM
 IPP Rev:B 06-06-08 As per DSI9336 JLM
 IPP Rev:C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC
 IPP rev E 07.11.27 ecn 1072 EC verified by:DD
 IPP Rev:F 08-09-08 ecn 08-510 DD verified by:EC
 IPP Rev:G 09-01-23 as per DSI9441 DD verified by:EC IPP Rev:H
 11.11.01 as per DSI9517 REV.B DD verified by:EC IPP rev:I 12.01.12
 PER IIN REV.E DD VERF:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D3407-041

Manufactured No

110

Each

30.0000

1

1

D3407-041
 Tow Ring

**

DAS
 33
 9-89

Location

Loc Qty

Loc Code

ST444

3

107840

3

ST463

27

107954

3

109405

8

110669

8

110684

8

110069

D3417-3

Manufactured No

110

Each

63.0000

2

2

D3417-3
 Washer

**

DAS
 33
 9-89

14-01-31

Location

Loc Qty

Loc Code

FG

7

33519

7

ST042

56

106077

14

109129

40

93758

2

106077

Picklist Print

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH) High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

D412-742-041

Manufactured No

110

Each

2.0000

1 1

D412-742-041

Replacement Skidtube (Fits LH or RH) High Gear Apical & Oem Cylindrical Float Compatible

DAS
6
9-89

Location

Loc Qty

Loc Code

FG073

2

108009

1

109161

1

111904

DAS
28
9-89

14-02-26

D412-742-015

Manufactured No

110

Each

1.0000

1 1

D412-742-015

Electric Step

DAS
31
9-89

Location

Loc Qty

Loc Code

PK012

1

95162

1

112526

DAS
6
9-89

D2571

Manufactured No

110

Each

19.0000

1 1

D2571

Saddle, Fwd, Out

DAS
31
9-89

Location

Loc Qty

Loc Code

ST441

19

104701

6

105995

1

109923

12

DAS
33
9-89

DAS
6
9-89

D2572

Manufactured No

110

Each

23.0000

1 1

D2572

Saddle, Fwd, In

DAS
31
9-89

Location

Loc Qty

Loc Code

ST441

23

105572

1

106514

5

108485

5

109924

12

DAS
33
9-89

14-01-31

109924

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

D2573

Manufactured No

110

Each

37.0000

1

D2573
Saddle, Aft, Out

**

DAS
33
9-89

DAS
33
9-89

DAS
31
9-89

Location	Loc Qty	Loc Code
ST442	25	
105413	4	
108126	4	
108525	5	
109763	12	
ST453a	12	
109925	12	

109763

D2574

Manufactured No

110

Each

33.0000

1

D2574
Saddle, Aft, In

**

DAS
33
9-89

DAS
33
9-89

DAS
31
9-89

Location	Loc Qty	Loc Code
ST442	33	
106416	1	
108523	10	
109607	10	
109926	12	

109607

D2876

Manufactured No

110

Each

41.0000

2

D2876
Saddle Spacer

**

DAS
33
9-89

14-01-31

DAS
31
9-89

Location	Loc Qty	Loc Code
ST020	41	
106074	14	
108425	27	

106074

DAS
6
9-89

Picklist Print

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

D2877

Manufactured No

110

Each

41.0000

2 2

★★

DAS
33
9-89

DAS
33
9-89

D2877

Saddle Spacer

DAS
31
9-89

Location

Loc Qty

Loc Code

ST020

41

103013

2

106231

13

108487

26

106231

D3403-1

Manufactured No

110

Each

146.0000

8 8

★★

DAS
33
9-89

DAS
33
9-89

D3403-1

Bushing

DAS
31
9-89

Location

Loc Qty

Loc Code

ST041

146

88782

146

88782

D3403-5

Manufactured No

110

Each

118.0000

8 8

★★

DAS
33
9-89

DAS
33
9-89

D3403-5

Bushing

DAS
31
9-89

Location

Loc Qty

Loc Code

ST042

118

88784

118

88784

D2747

Manufactured No

110

Each

219.0000

4 4

★★

DAS
33
9-89

14-01-30

D2747

Set Screw

DAS
31
9-89

Location

Loc Qty

Loc Code

ST017

219

106173

60

110232

100

86827

58

99355

1

86827

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

D3533-1

Manufactured No

110

Each

100.0000

2 2

D3533-1

Set Screw

DAS
31
9-89

Location

Loc Qty

Loc Code

ST054

100

100

102438

**

DAS
33
9-89

AN4C6A

Purchased No

110

Each

421.0000

16 16

AN4C6A

Bolt

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

14

103344

4

121657

10

ST355

407

m125709

407

**

DAS
33
9-89

AN4C52A

Purchased No

110

Each

65.0000

4 4

AN4C52A

Bolt

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

5

122518

5

ST360

10

122518

4

m126293

6

ST518

50

M126007

50

**

DAS
33
9-89

14-01-31

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Shop Packet Print

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Picklist Print

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

AN4C53A

Purchased

No

110

Each

51.0000

4 4

AN4C53A

BOLT

**

DAS

33

9-89

DAS

31

9-89

Location

Loc Qty

Loc Code

ST360

21

122193

3

M127204

18

ST518

30

M127061

30

127204

AN6C12A

Purchased

No

110

Each

114.0000

8 8

AN6C12A

Bolt

**

DAS

33

9-89

DAS

31

9-89

Location

Loc Qty

Loc Code

ST339

56

M127290

56

ST505

58

M126105

8

M126180

50

127290

D3672-3

Manufactured

No

110

Each

849.0000

32 32

D3672-3

Phenolic Washer

**

DAS

33

9-89

14-01-31

DAS

31

9-89

Location

Loc Qty

Loc Code

FG

111

84432

11

89273

100

FP001

79

107316

79

ST060

500

110251

500

ST061

159

93925

159

93925

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

NAS1149C0432R

Purchased

No

110

Each

5,250.000

32 32

DAS

33

9-89

DAS
33
9-89

NAS1149C0432R

WASHER

DAS
31
9-89

Location

Loc Qty

Loc Code

GA

1979

m125807

1979

ST292

68

119124

6

121255

7

122441

55

ST510a

3203

m126221

3203

D3672-9

Manufactured

No

110

Each

358.0000

8 8

DAS

33

9-89

DAS
33
9-89

D3672-9

Washer

DAS
31
9-89

Location

Loc Qty

Loc Code

ST060

358

81763

8

94989

350

NAS1149C0632R

Purchased

No

110

Each

148.0000

8 8

DAS

33

9-89

14-01-31

NAS1149C0632R

WASHER

DAS
31
9-89

Location

Loc Qty

Loc Code

ST292

148

121825

8

125634

140

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

D3672-11

Manufactured No

110

Each

326.0000

8

8

DAS

33

9-89

D3672-11

Washer

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

10

77483

10

ST060

316

77483

8

91746

308

MS21043-4

Purchased

No

110

Each

540.0000

29

29

DAS

33

9-89

MS21043-4

Nut

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

40

104603

40

GA

43

125807

43

ST509

457

m127255

457

AN4C7A

Purchased

No

110

Each

165.0000

4

4

DAS

33

9-89

AN4C7A

BOLT

DAS
31
9-89

Location

Loc Qty

Loc Code

ST355

4

109147

4

ST513

61

125388

61

ST518

100

m127363

100

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Picklist Print

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January-29-14 12:53:36 PM

Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

D3591-1

Manufactured No

110

Each

100.0000

2

2

D3591-1

Bushing

~~DAS
33
9-89~~

~~DAS
6
9-89~~

Location

Loc Qty

Loc Code

FG

10

92873

10

FP001

90

100699

9

107918

40

109107

41

119107

D3403-3

Manufactured No

110

Each

185.0000

8

8

D3403-3

Bushing

~~DAS
33
9-89~~

~~16
9-89~~

Location

Loc Qty

Loc Code

ST041

185

88783

185

88783

D3405-041

Manufactured No

110

Each

16.0000

1

1

D3405-041

Gh Lug

~~DAS
33
9-89~~

14-01-31

Location

Loc Qty

Loc Code

ST468

16

108437

12

109490

4

108437

Picklist Print

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

D3405-043

Manufactured No

110

Each

27.0000

1 1

D3405-043

Gfi Lug

**

DAS
33
9-89



DAS
31
9-89

Location

Loc Qty

Loc Code

ST461

16

107261

16

ST468

11

105544

1

108792

10

105544



AN4C47A

Purchased

No

110

Each

95.0000

4 4

AN4C47A

Bolt

**

DAS
33
9-89

14-01-31

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

10

122491

10

ST359

10

112491

4

M126007

6

ST517a

75

M126293

75

126007

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Work Order ID: 112116

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

D3456-1

Manufactured No

110

Each

176.0000

1

D3456-1

Washer

**

DAS
33
9-89



DAS
31
9-89

Location

Loc Qty

Loc Code

FG

7

25701

7

ST046

169

103539

1

103787

25

107629

17

109751

1

111514

25

111782

100

109751

AN3C37A

Purchased

No

110

Each

127.0000

3

AN3C37A

BOLT

**

DAS
33
9-89



DAS
31
9-89

Location

Loc Qty

Loc Code

ST324

4

M121068

4

ST353

123

M126345

48

M127823

75

126345

AN3C40A

Purchased

No

110

Each

28.0000

2

AN3C40A

Bolt

**

DAS
33
9-89

14-01-31

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

5

11442

5

ST353

23

114442

1

M125958

1

M126176

21

126176

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

AN3C41A

Purchased

No

110

Each

71.0000

3 3

AN3C41A

Bolt

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

9

103324

4

122843

5

ST353

62

m127300

12

m127544

25

m127823

25

DAS
33
9-89

DAS
33
9-89

AN3C42A

Purchased

No

110

Each

32.0000

3 3

AN3C42A

Bolt

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

5

121103

5

ST353

27

m126293

2

m127300

25

DAS
33
9-89

DAS
33
9-89

AN3C43A

Purchased

No

110

Each

93.0000

3 3

AN3C43A

Bolt

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

10

120465

10

ST354

83

120465

4

M126007

4

M126621

25

M127201

25

M127721

25

DAS
33
9-89

DAS
33
9-89

January-29-14 12:53:37 PM

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Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

AN3C44A

Purchased

No

110

Each

64.0000

9 9

DAS
33
9-89

DAS
6
9-89

AN3C44A

Bolt

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

10

110848

10

ST354

54

m127052

54

127052

DAS
33
9-89

DAS
33
9-89

AN3C47A

Purchased

No

110

Each

49.0000

10 10

DAS
33
9-89

DAS
33
9-89

AN3C47A

Bolt

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

2

116874

2

ST354

47

m127203

47

127203

DAS
33
9-89

DAS
33
9-89

NAS1149C0332R

Purchased

No

110

Each

10,244.00

66 66

DAS
33
9-89

DAS
33
9-89

NAS1149C0332R

WASHER

DAS
31
9-89

Location

Loc Qty

Loc Code

GA

1197

125654

1197

st510

9047

m126319

1147

m127306

2500

m127410

3000

m127831

2400

127831

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Page 14

Work Order ID: 112116

112116

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube (LH or RH)High Gear Apical & Oem Cylindri

Start Date: 1/29/14

Required Date: 2/12/14

Start Qty: 1.00

Required Qty: 1.00

MS21043-3

Purchased

No

100

Each

829.0000

33

33

MS21043-3*

Nut

**

DAS
33

9-89

14-01-3

DAS
31
9-89

Location

Loc Qty

Loc Code

FG

80

103691

80

ST315

749

124555

92

m126741

657

126741

DART AEROSPACE USA, INC.

REFERENCE ONLY

DAS
31
9-89

14-02-04

IIN-D412-742
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5.0 PARTS LIST

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
		X		D412-742-041	FLOAT SKIDTUBE
			X	D412-742-015	ELECTRIC STEP KIT
		1		D3391-041	412 FLOAT SKIDTUBE
1		*24		*AN3C4A	*BOLT
3		*10		*AN3C6A	*BOLT
4		*4		*AN3C7A	*BOLT
5		*38		*AN960C10L	*WASHER
6		*4		*MS27039C4-12	*SCREW
7A		*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
7B		*4		*AN960C416L	*WASHER
21		*1		*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1		*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1		*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1		*D3391-011	*412 FORWARD TUBE
11		**1		**D3401-041	**TOW CAP
12A		**10		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10		**AN3C4A	**BOLT
14A		**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10		**AN960C10L	**WASHER
24		**1		**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1		*D3391-013	*412 MID TUBE
28		**24		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1		*D3391-015	*412 AFT TUBE
25		**1		**D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1		**D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1		**D2646	**AFT CAP
32		**14		**AELS-1032-130	**INSERT
36		**8		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6		**AN3C4A	**BOLT
37B		**4		**AN3C5A	**BOLT
38A		**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10		**AN960C10L	**WASHER
39		**4		**ALS4-428-165	**INSERT (REPLACES NAS1330S4KB151)
40	1			D2571	SADDLE, FWD OUTSIDE
41	1			D2572	SADDLE, FWD INSIDE
42	1			D2573	SADDLE, AFT OUTSIDE
43	1			D2574	SADDLE, AFT INSIDE
44	2			D2876	SADDLE SPACER
45	2			D2877	SADDLE SPACER

(CONTINUED ON PAGE 18)

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Revision: E
Date: 11.10.19

(CONTINUED FROM PAGE 17)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
46A	18			D3403-1	BUSHING
46B	18			D3403-5	BUSHING
47A	1			D2747	SET SCREW
47B	2			D3533-1	SET SCREW
48	16			AN4C6A	BOLT
49A	4			AN4C52A	BOLT
49B	4			AN4C53A	BOLT
50	8			AN6C12A	BOLT
51A	32			D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32			AN960C416L	WASHER
52A	8			D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8			AN960C616L	WASHER
53	8			D3672-11	WASHER (REPLACES NAS1515H7L)
54	24			MS21043-4	NUT
55	4			AN4C7A	BOLT
56	2			D3691-1	BUSHING
60	8			D3403-3	BUSHING
61	1			D3405-041	GHW LUG
62	1			D3405-043	GHW LUG
63	4			AN4C47A	BOLT
64	4			MS21043-4	NUT
70	1			D3407-041	TOW RING
71	2			D3417-3	WASHER
72	1			MS21043-4	NUT
73	1			D3456-1	WASHER
80			1	D2913	DOUBLER
81		***4		***ALS4-428-165	***INSERT (REPLACES NAS1329S4KB140)
82		***4		***AELS-1032-130	***INSERT (REPLACES NAS1330S3KB116)
83			2	MS21043-4	NUT
84			2	MS24693-C272	SCREW
85			1	MS35489-35	GROMMET
86			1	MS35489-93	GROMMET
87		***4		***MS27039C1-09	***SCREW
88		***4		***MS27039C4-08	***SCREW
89A		***4	2	***D3672-1	***WASHER (REPLACES NAS1515H3L)
89B		***4	2	***AN960C10L	***WASHER
90A		***4		***D3672-3	***WASHER (REPLACES NAS1515H4L)
90B		***4		***AN960C416L	***WASHER
91	3			AN3C37A	BOLT
92	2			AN3C40A	BOLT
93	3			AN3C41A	BOLT
94	3			AN3C42A	BOLT
95	3			AN3C43A	BOLT
96	9			AN3C44A	BOLT
98	10			AN3C47A	BOLT
99	66			AN960C10L	WASHER
100	33			MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY

***DENOTES THAT PART IS INCLUDED WITH D3391-013

REFERENCE ONLY

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE
REF. CANADIAN STC: SH05-37
REF. EASA STC: EASA.IM.R.S.01126

PURPOSE

For D412-742-011/-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

- 5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)
32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011-	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

- 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)
32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

A	NEW ISSUE	CP	12.02.28
REV.	DESCRIPTION	BY	DATE
DESIGN	99	DART AEROSPACE USA, INC	
DRAWN	99	KENT, WA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9600	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT SUBSTITUTION	NTS
DATE	12.02.28	COPYRIGHT © 2012 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

5.0 PARTS LIST

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT
		1		D3391-041	412 FLOAT SKIDTUBE
1		*24		*AN3C4A	*BOLT
3		*10		*AN3C6A	*BOLT
4		*4		*AN3C7A	*BOLT
5		*38		*AN960C10L	*WASHER
6		*4		*MS27039C4-12	*SCREW
7A		*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
7B		*4		*AN960C416L	*WASHER
21		*1		*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1		*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1		*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1		*D3391-011	*412 FORWARD TUBE
11		**1		**D3401-041	**TOW CAP
12A		**10		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10		**AN3C4A	**BOLT
14A		**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10		**AN960C10L	**WASHER
24		**1		**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1		*D3391-013	*412 MID TUBE
28		**24		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1		*D3391-015	*412 AFT TUBE
25		**1		**D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1		**D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1		**D2646	**AFT CAP
32		**14		**AELS-1032-130	**INSERT
36		**8		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6		**AN3C4A	**BOLT
37B		**4		**AN3C5A	**BOLT
38A		**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10		**AN960C10L	**WASHER
39		**4		**ALS4-428-165	**INSERT (REPLACES NAS1330S4KB151)
40	1			D2571	SADDLE, FWD OUTSIDE
41	1			D2572	SADDLE, FWD INSIDE
42	1			D2573	SADDLE, AFT OUTSIDE
43	1			D2574	SADDLE, AFT INSIDE
44	2			D2876	SADDLE SPACER
45	2			D2877	SADDLE SPACER

(CONTINUED ON PAGE 18)

(CONTINUED FROM PAGE 17)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
46A	8			D3403-1	BUSHING
46B	8			D3403-5	BUSHING
47A	4			D2747	SET SCREW
47B	2			D3533-1	SET SCREW
48	16			AN4C6A	BOLT
49A	4			AN4C52A	BOLT
49B	4			AN4C53A	BOLT
50	8			AN6C12A	BOLT
51A	32			D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32			AN960C416L	WASHER
52A	8			D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8			AN960C616L	WASHER
53	8			D3672-11	WASHER (REPLACES NAS1515H7L)
54	24			MS21043-4	NUT
55	4			AN4C7A	BOLT
56	2			D3591-1	BUSHING
60	8			D3403-3	BUSHING
61	1			D3405-041	GHW LUG
62	1			D3405-043	GHW LUG
63	4			AN4C47A	BOLT
64	4			MS21043-4	NUT
70	1			D3407-041	TOW RING
71	2			D3417-3	WASHER
72	1			MS21043-4	NUT
73	1			D3456-1	WASHER
80			1	D2913	DOUBLER
81		***4		***ALS4-428-165	***INSERT (REPLACES NAS1329S4KB140)
82		***4		***AELS-1032-130	***INSERT (REPLACES NAS1330S3KB116)
83			2	MS21043-4	NUT
84			2	MS24693-C272	SCREW
85			1	MS35489-35	GROMMET
86			1	MS35489-93	GROMMET
87		***4		***MS27039C1-09	***SCREW
88		***4		***MS27039C4-08	***SCREW
89A		***4	2	***D3672-1	***WASHER (REPLACES NAS1515H3L)
89B		***4	2	***AN960C10L	***WASHER
90A		***4		***D3672-3	***WASHER (REPLACES NAS1515H4L)
90B		***4		***AN960C416L	***WASHER
91	3			AN3C37A	BOLT
92	2			AN3C40A	BOLT
93	3			AN3C41A	BOLT
94	3			AN3C42A	BOLT
95	3			AN3C43A	BOLT
96	9			AN3C44A	BOLT
98	10			AN3C47A	BOLT
99	66			AN960C10L	WASHER
100	33			MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY

***DENOTES THAT PART IS INCLUDED WITH D3391-013.

(CONTINUED FROM PAGE 17)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
46A	8			D3403-1	BUSHING
46B	8			D3403-5	BUSHING
47A	4			D2747	SET SCREW
47B	2			D3533-1	SET SCREW
48	16			AN4C6A	BOLT
49A	4			AN4C52A	BOLT
49B	4			AN4C53A	BOLT
50	8			AN6C12A	BOLT
51A	32			D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32			AN960C416L	WASHER
52A	8			D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8			AN960C616L	WASHER
53	8			D3672-11	WASHER (REPLACES NAS1515H7L)
54	24			MS21043-4	NUT
55	4			AN4C7A	BOLT
56	2			D3591-1	BUSHING
60	8			D3403-3	BUSHING
61	1			D3405-041	GHW LUG
62	1			D3405-043	GHW LUG
63	4			AN4C47A	BOLT
64	4			MS21043-4	NUT
70	1			D3407-041	TOW RING
71	2			D3417-3	WASHER
72	1			MS21043-4	NUT
73	1			D3456-1	WASHER
80			1	D2913	DOUBLER
81		***4		***ALS4-428-165	***INSERT (REPLACES NAS1329S4KB140)
82		***4		***AELS-1032-130	***INSERT (REPLACES NAS1330S3KB116)
83			2	MS21043-4	NUT
84			2	MS24693-C272	SCREW
85			1	MS35489-35	GROMMET
86			1	MS35489-93	GROMMET
87		***4		***MS27039C1-09	***SCREW
88		***4		***MS27039C4-08	***SCREW
89A		***4	2	***D3672-1	***WASHER (REPLACES NAS1515H3L)
89B		***4	2	***AN960C10L	***WASHER
90A		***4		***D3672-3	***WASHER (REPLACES NAS1515H4L)
90B		***4		***AN960C416L	***WASHER
91	3			AN3C37A	BOLT
92	2			AN3C40A	BOLT
93	3			AN3C41A	BOLT
94	3			AN3C42A	BOLT
95	3			AN3C43A	BOLT
96	9			AN3C44A	BOLT
98	10			AN3C47A	BOLT
99	66			AN960C10L	WASHER
100	33			MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY

***DENOTES THAT PART IS INCLUDED WITH D3391-013

5.0 PARTS LIST

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT
		1		D3391-041	412 FLOAT SKIDTUBE
1		*24		*AN3C4A	*BOLT
3		*10		*AN3C6A	*BOLT
4		*4		*AN3C7A	*BOLT
5		*38		*AN960C10L	*WASHER
6		*4		*MS27039C4-12	*SCREW
7A		*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
7B		*4		*AN960C416L	*WASHER
21		*1		*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1		*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1		*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1		*D3391-011	*412 FORWARD TUBE
11		**1		**D3401-041	**TOW CAP
12A		**10		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10		**AN3C4A	**BOLT
14A		**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10		**AN960C10L	**WASHER
24		**1		**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1		*D3391-013	*412 MID TUBE
28		**24		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1		*D3391-015	*412 AFT TUBE
25		**1		**D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1		**D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1		**D2646	**AFT CAP
32		**14		**AELS-1032-130	**INSERT
36		**8		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6		**AN3C4A	**BOLT
37B		*4		**AN3C5A	**BOLT
38A		**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10		**AN960C10L	**WASHER
39		**4		**ALS4-428-165	**INSERT (REPLACES NAS1330S4KB151)
40	1			D2571	SADDLE, FWD OUTSIDE
41	1			D2572	SADDLE, FWD INSIDE
42	1			D2573	SADDLE, AFT OUTSIDE
43	1			D2574	SADDLE, AFT INSIDE
44	12			D2876	SADDLE SPACER
45	2			D2877	SADDLE SPACER

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